

DAILY REPORT - HOT BITUMINOUS PAVEMENT - QUALITY CONTROL

North Dakota Department of Transportation, Construction
SFN 18552 (2-2019)

| | |
|-----------------|-----------------|
| | PCN |
| Project | Date |
| Contractor | District |
| Aggregate Class | Lot No |
| Specification | Plant Model |
| Stations Paved | Bid Price (HBP) |

A. AGGREGATE

Gradation Range Limits

| Sieve Size | 5/8" | 1/2" | 3/8" | #4 | #8 | #16 | #30 | #50 | #100 | #200* |
|---------------|------|------|------|----|----|-----|-----|-----|------|-------|
| Target Values | | | | | | | | | | |
| Target Range | | | | | | | | | | |

Percent passing

| Test No. | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Test No. | | | | | | | | | | |
| Test No. | | | | | | | | | | |
| Test No. | | | | | | | | | | |
| Test No. | | | | | | | | | | |
| Test No. | | | | | | | | | | |
| Uniformity (U) Dev fr Target Range | | | | | | | | | | |

AGGREGATE PAY FACTOR = $\frac{100 - U^{**}}{100}$ A =

Distribution:
Project Engineer (original) and Contractor

* Round Percent Passing to the nearest tenth.
**Largest Uniformity Deviation

B. BITUMEN CONTENT

| | |
|---------------------------|-------------------------|
| AC Brand and Type | |
| Average (SFN 9988) | |
| Target Bitumen Content | Average Bitumen Content |
| Deviation from Target | AVERAGE PAY FACTOR |

| | | | |
|-------------------------------|-------------|-------------|-------------|
| Uniformity (SFN 18674) | | | |
| Check No. 1 | Check No. 2 | Check No. 3 | Check No. 4 |
| Check No. 5 | Check No. 6 | Average | Deviation* |

UNIFORMITY PAY FACTOR = $\frac{100 - [20 (\text{Deviation} - 24)]}{100}$ =

BITUMEN PAY FACTOR** B =

*Largest deviation from the average Uniformity Bitumen Content
**Lowest Pay Factor (Average or Uniformity)

C. COMPACTION (SFN 59132)

| | |
|-------------------------------------|------------|
| Average Maximum Theoretical Density | (lbs/c.f.) |
| Average Pavement Density | (lbs/c.f.) |
| Average Pavement Density (%MTD) | % |
| Pay Factor C = | |

D. DEDUCTION

Combined Pay Factory

| | | | | |
|----------|-----|-----|-----|-----|
| | (A) | (B) | (C) | (D) |
| Mainline | | X | X | = |
| Other | (A) | (B) | | (D) |
| | | X | | = |

Deduction Factor

| | | | | |
|-----------|-------------------|-----------|------------------|--------------------|
| M = 1.0 - | (D) | = | | |
| O = 1.0 - | (D) | = | | |
| Mainline | Pay Tons This Day | Bid Price | Deduction Factor | Payment Adjustment |
| | | X | X | = |
| Other | Pay Tons This Day | Bid Price | Deduction Factor | Payment Adjustment |
| | | X | X | = |

TOTAL PAYMENT ADJUSTMENT:

REMARKS:

Engineer - Inspector